

Title (en)

Nucleating gel, process for its preparation, and its use in the synthesis of MFI-type zeolite

Title (de)

Keimbildungsgel, Verfahren zu dessen Herstellung, und deren Verwendung für die Synthese von Zeolith ZSM-5

Title (fr)

Gel de nucléation, son procédé de préparation et son utilisation dans la synthèse de zéolite de type MFI

Publication

EP 1707533 A1 20061004 (EN)

Application

EP 05075770 A 20050401

Priority

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Abstract (en)

Process for the preparation of a nucleating gel, which process comprises the steps of: mixing sodium silicate, water, and a quaternary ammonium salt, adjusting the molar ratio OH⁻/SiO₂ in the mixture to a value in the range 0.20-0.60 by adding an acid or base, and aging the mixture for at least 30 minutes at a temperature in the range 25 to 100 °C. This process results in a nucleating gel which is very active in the synthesis of MFI zeolites.

IPC 8 full level

C01B 39/04 (2006.01); **C01B 39/40** (2006.01)

CPC (source: EP)

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Citation (search report)

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